



National  
Library  
of Medicine

Entrez PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Bo

Search  for

Limits

Preview/Index

History

Clipboard

Details

About Entrez

Display  Show  Sort  Send to   of 3 Next

Text Version

Items 1-20 of 50

Entrez PubMed

Overview

Help | FAQ

Tutorial

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

LinkOut

Cubby

Related Resources

Order Documents

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

Privacy Policy

1: [Binnerts ME, Wen X, Cante-Barrett K, Bright J, Chen HT, Asundi V, Sattari P, Tang T, Boyle B, Funk W, Rupp F.](#) [Related Articles](#), [Link](#)

Human Crossveinless-2 is a novel inhibitor of bone morphogenetic proteins. *Biochem Biophys Res Commun.* 2004 Mar 5;315(2):272-80. PMID: 14766204 [PubMed - in process]

2: [Batut J, Neant I, Leclerc C, Moreau M.](#) [Related Articles](#), [Link](#)

[In Process Citation] *J Soc Biol.* 2003;197(3):283-9. French. PMID: 14708350 [PubMed - in process]

3: [Pera EM, Ikeda A, Eivers E, De Robertis EM.](#) [Related Articles](#), [Link](#)

Integration of IGF, FGF, and anti-BMP signals via Smad1 phosphorylation in neural induction. *Genes Dev.* 2003 Dec 15;17(24):3023-8. PMID: 14701872 [PubMed - indexed for MEDLINE]

4: [Nakayama N, Han CY, Cam L, Lee JI, Pretorius J, Fisher S, Rosenfeld R, Scully S, Nishinakamura R, Duryea D, Van G, Bolon B, Yokota T, Zhang K.](#) [Related Articles](#), [Link](#)

A novel chordin-like BMP inhibitor, CHL2, expressed preferentially in chondrocytes of developing cartilage and osteoarthritic joint cartilage. *Development.* 2004 Jan;131(1):229-40. Epub 2003 Dec 03. PMID: 14660436 [PubMed - indexed for MEDLINE]

5: [Hyvonen M.](#) [Related Articles](#), [Link](#)

CHRD, a novel domain in the BMP inhibitor chordin, is also found in microbial proteins. *Trends Biochem Sci.* 2003 Sep;28(9):470-3. Review. PMID: 13678956 [PubMed - indexed for MEDLINE]

6: [Blitz IL, Cho KW, Chang C.](#) [Related Articles](#), [Link](#)

Twisted gastrulation loss-of-function analyses support its role as a BMP inhibitor during early *Xenopus* embryogenesis. *Development.* 2003 Oct;130(20):4975-88. PMID: 12952901 [PubMed - indexed for MEDLINE]

7: [Pappano WN, Steiglitz BM, Scott IC, Keene DR, Greenspan DS.](#) [Related Articles](#), [Link](#)

Use of Bmp1/Tll1 doubly homozygous null mice and proteomics to identify and validate in vivo substrates of bone morphogenetic protein 1/tolloid-like metalloproteinases. *Mol Cell Biol.* 2003 Jul;23(13):4428-38. PMID: 12808086 [PubMed - indexed for MEDLINE]

8: [Wilkinson L, Kolle G, Wen D, Piper M, Scott J, Little M.](#) [Related Articles](#), [Link](#)  
 CRIM1 regulates the rate of processing and delivery of bone morphogenetic proteins to the cell surface.  
*J Biol Chem.* 2003 Sep 5;278(36):34181-8. Epub 2003 Jun 12.  
PMID: 12805376 [PubMed - indexed for MEDLINE]

9: [Aldred MA, Ginn-Pease ME, Morrison CD, Popkie AP, Gimm O, Hoang-Vu C, Krause U, Dralle H, Jhjiang SM, Plass C, Eng C.](#) [Related Articles](#), [Link](#)  
 Caveolin-1 and caveolin-2, together with three bone morphogenetic protein-related genes, may encode novel tumor suppressors down-regulated in sporadic follicular thyroid carcinogenesis.  
*Cancer Res.* 2003 Jun 1;63(11):2864-71.  
PMID: 12782592 [PubMed - indexed for MEDLINE]

10: [Luo T, Lee YH, Saint-Jeannet JP, Sargent TD.](#) [Related Articles](#), [Link](#)  
 Induction of neural crest in *Xenopus* by transcription factor AP2alpha.  
*Proc Natl Acad Sci U S A.* 2003 Jan 21;100(2):532-7. Epub 2003 Jan 02.  
PMID: 12511599 [PubMed - indexed for MEDLINE]

11: [Kolle G, Jansen A, Yamada T, Little M.](#) [Related Articles](#), [Link](#)  
 In ovo electroporation of Crim1 in the developing chick spinal cord.  
*Dev Dyn.* 2003 Jan;226(1):107-11.  
PMID: 12508231 [PubMed - indexed for MEDLINE]

12: [Dale L, Evans W, Goodman SA.](#) [Related Articles](#), [Link](#)  
 Xolloid-related: a novel BMP1/Tolloid-related metalloprotease is expressed during early *Xenopus* development.  
*Mech Dev.* 2002 Dec;119(2):177-90.  
PMID: 12464431 [PubMed - indexed for MEDLINE]

13: [Hikasa H, Shibata M, Hiratani I, Taira M.](#) [Related Articles](#), [Link](#)  
 The *Xenopus* receptor tyrosine kinase Xror2 modulates morphogenetic movements of the axial mesoderm and neuroectoderm via Wnt signaling.  
*Development.* 2002 Nov;129(22):5227-39.  
PMID: 12399314 [PubMed - indexed for MEDLINE]

14: [Vonica A, Gumbiner BM.](#) [Related Articles](#), [Link](#)  
 Zygotic Wnt activity is required for Brachyury expression in the early *Xenopus laevis* embryo.  
*Dev Biol.* 2002 Oct 1;250(1):112-27.  
PMID: 12297100 [PubMed - indexed for MEDLINE]

15: [Hyodo-Miura J, Urushiyama S, Nagai S, Nishita M, Ueno N, Shibuya H.](#) [Related Articles](#), [Link](#)  
 Involvement of NLK and Sox11 in neural induction in *Xenopus* development.  
*Genes Cells.* 2002 May;7(5):487-96.  
PMID: 12047350 [PubMed - indexed for MEDLINE]

16: [Garcia Abreu J, Coffinier C, Larrain J, Oelgeschlager M, De Robertis EM.](#) [Related Articles](#), [Link](#)  
 Chordin-like CR domains and the regulation of evolutionarily conserved extracellular signaling systems.  
*Gene.* 2002 Apr 3;287(1-2):39-47. Review.  
PMID: 11992721 [PubMed - indexed for MEDLINE]

17: [Oostendorp RA](#), [Medvinsky AJ](#), [Kusadasi N](#), [Nakayama N](#), [Harvey K](#), [Orelia C](#), [Ottersbach K](#), [Covey T](#), [Ploemacher RE](#), [Saris C](#), [Dzierzak E](#) Related Articles, Link

 **Embryonal subregion-derived stromal cell lines from novel temperature-sensitive SV40 T antigen transgenic mice support hematopoiesis.**  
J Cell Sci. 2002 May 15;115(Pt 10):2099-108.  
PMID: 11973351 [PubMed - indexed for MEDLINE]

18: [Larraín J](#), [Oelgeschlager M](#), [Ketpura NI](#), [Reversade B](#), [Zakin L](#), [De Robertis EM](#) Related Articles, Link

 **Proteolytic cleavage of Chordin as a switch for the dual activities of Twisted gastrulation in BMP signaling.**  
Development. 2001 Nov;128(22):4439-47.  
PMID: 11714670 [PubMed - indexed for MEDLINE]

19: [Pera EM](#), [Wessely O](#), [Li SY](#), [De Robertis EM](#). Related Articles, Link

 **Neural and head induction by insulin-like growth factor signals.**  
Dev Cell. 2001 Nov;1(5):655-65.  
PMID: 11709186 [PubMed - indexed for MEDLINE]

20: [Millet C](#), [Lemaire P](#), [Orsetti B](#), [Guglielmi P](#), [Francois V](#). Related Articles, Link

 **The human chordin gene encodes several differentially expressed spliced variants with distinct BMP opposing activities.**  
Mech Dev. 2001 Aug;106(1-2):85-96.  
PMID: 11472837 [PubMed - indexed for MEDLINE]

Items 1-20 of 50  of 3 Next

[Write to the Help Desk](#)  
[NCBI](#) | [NLM](#) | [NIH](#)  
[Department of Health & Human Services](#)  
[Freedom of Information Act](#) | [Disclaimer](#)

Mar 11 2004 06:56:



Entrez PubMed

Nucleotide Protein Genome Structure PMC Taxonomy Bo

Search Nucleotide

for chordin protein

Go

Clear

Limits

Preview/Index

History

Clipboard

Details

About Entrez

Entrez Nucleotide

Help | FAQ

Entrez Tools

Check sequence  
revision history

LinkOut

Related resources  
BLASTReference sequence  
project

Search for Genes

Submit to GenBank

Display

Summary

Show:

20

Send to

Text

Page

1

of 2 Next

□ 1: BC066832

Links

Mus musculus chordin-like 1, mRNA (cDNA clone MGC:76607  
IMAGE:30102312), complete cds  
gi|44890680|gb|BC066832.1|[44890680]

□ 2: NT\_005612

Links

Homo sapiens chromosome 3 genomic contig  
gi|37550867|ref|NT\_005612.14|Hs3\_5769|[37550867]

□ 3: NT\_025319

Links

Homo sapiens chromosome X genomic contig  
gi|37546473|ref|NT\_025319.14|HsX\_25475|[37546473]

□ 4: NT\_033927

Links

Homo sapiens chromosome 11 genomic contig  
gi|37541321|ref|NT\_033927.6|Hs11\_34082|[37541321]

□ 5: NM\_003741

Links

Homo sapiens chordin (CHRD), transcript variant 1, mRNA  
gi|30089979|ref|NM\_003741.2|[30089979]

□ 6: NM\_012465

Links

Homo sapiens tolloid-like 2 (TLL2), mRNA  
gi|22547222|ref|NM\_012465.2|[22547222]

□ 7: NM\_012464

Links

Homo sapiens tolloid-like 1 (TLL1), mRNA  
gi|22547220|ref|NM\_012464.3|[22547220]

□ 8: NM\_009755

Links

Mus musculus bone morphogenetic protein 1 (Bmp1), mRNA  
gi|42734446|ref|NM\_009755.2|[42734446]

□ 9: NM\_177979

Links

Homo sapiens chordin (CHRD), transcript variant 3, mRNA  
gi|30089977|ref|NM\_177979.1|[30089977]

10: [NM\\_177978](#) Links  
Homo sapiens chordin (CHRD), transcript variant 2, mRNA  
gi|30089975|ref|NM\_177978.1|[30089975]

11: [NM\\_131360](#) Links  
Danio rerio bone morphogenetic protein 2b (bmp2b), mRNA  
gi|35215299|ref|NM\_131360.1|[35215299]

12: [NM\\_131010](#) Links  
Danio rerio bone morphogenetic protein 1 (bmp1), mRNA  
gi|18859498|ref|NM\_131010.1|[18859498]

13: [NM\\_130973](#) Links  
Danio rerio chordin (chd), mRNA  
gi|18858412|ref|NM\_130973.1|[18858412]

14: [NM\\_008711](#) Links  
Mus musculus noggin (Nog), mRNA  
gi|7110674|ref|NM\_008711.1|[7110674]

15: [NM\\_009893](#) Links  
Mus musculus chordin (Chrd), mRNA  
gi|6753417|ref|NM\_009893.1|[6753417]

16: [NM\\_009390](#) Links  
Mus musculus tolloid-like (Tll), mRNA  
gi|6678362|ref|NM\_009390.1|[6678362]

17: [NT\\_082359](#) Links  
Mus musculus chromosome 16 genomic contig, Celera\_Mmu16  
gi|38080567|ref|NT\_082359.1|Mm16\_82356\_32|[38080567]

18: [NT\\_039624](#) Links  
Mus musculus chromosome 16 genomic contig, strain C57BL/6J  
gi|38080009|ref|NT\_039624.2|Mm16\_39664\_32|[38080009]

19: [NW\\_047358](#) Links  
Rattus norvegicus chromosome 11 WGS supercontig  
gi|34869997|ref|NW\_047358.1|Rn11\_1878|[34869997]

20: [AY358926](#) Links  
Homo sapiens clone DNA35917 chordin (UNQ217) mRNA, complete cds  
gi|37182969|gb|AY358926.1|[37182969]

Display [Summary](#) Show: 20 [Send to](#) [Text](#)  
Items 1-20 of 38 Page 1 of 2 Next



# Nucleotide

Entrez PubMed Nucleotide Protein Genome Structure PMC Taxonomy Bo

Search **Nucleotide**

for **chordin protein**

**Go**

**Clear**

**Limits**

**Preview/Index**

**History**

**Clipboard**

**Details**

About Entrez

Entrez Nucleotide

Help | FAQ

Entrez Tools

Check sequence  
revision history

LinkOut

Related resources  
BLAST

Reference sequence  
project

Search for Genes

Submit to GenBank

**Display**

**Summary**

Show: 20

**Send to**

**Text**

Items 21-38 of 38

Previous

**Page**

2

of 2

**□ 21: AY358522**

**Links**

Homo sapiens clone DNA64902 chordin Like (UNQ765) mRNA, complete  
cds  
gi|37182166|gb|AY358522.1|[37182166]

**□ 22: AK007577**

**Links**

Mus musculus 10 day old male pancreas cDNA, RIKEN full-length  
enriched library, clone:1810022C01 product:CHORDIN-RELATED  
PROTEIN NEURALIN-2 homolog [Mus musculus], full insert sequence  
gi|12841206|dbj|AK007577.1|[12841206]

**□ 23: AX235836**

**Links**

Sequence 4 from Patent WO0164885  
gi|15795739|emb|AX235836.1||pat|WO|0164885|4|[15795739]

**□ 24: AX235833**

**Links**

Sequence 1 from Patent WO0164885  
gi|15795737|emb|AX235833.1||pat|WO|0164885|1|[15795737]

**□ 25: AX175130**

**Links**

Sequence 11 from Patent WO0142465  
gi|14598545|emb|AX175130.1||pat|WO|0142465|11|[14598545]

**□ 26: AX175126**

**Links**

Sequence 7 from Patent WO0142465  
gi|14598543|emb|AX175126.1||pat|WO|0142465|7|[14598543]

**□ 27: AX175123**

**Links**

Sequence 4 from Patent WO0142465  
gi|14598541|emb|AX175123.1||pat|WO|0142465|4|[14598541]

**□ 28: AX175120**

**Links**

Sequence 1 from Patent WO0142465  
gi|14598539|emb|AX175120.1||pat|WO|0142465|1|[14598539]

**□ 29: AF338222**

**Links**

Mus musculus chordin-related protein neuralin-2 mRNA, complete cds  
gi|13957540|gb|AF338222.1|AF338222[13957540]

**30: AF305714** Links  
Mus musculus neuralin mRNA, complete cds  
gi|11037011|gb|AF305714.1|AF305714[11037011]

**31: AF136635** Links  
Homo sapiens chordin gene, partial cds, cr4 repeat  
gi|7839319|gb|AF136635.1|AF136632S4[7839319]

**32: AF136634** Links  
Homo sapiens chordin gene, partial cds, cr3 repeat  
gi|7839318|gb|AF136634.1|AF136632S3[7839318]

**33: AF136633** Links  
Homo sapiens chordin gene, partial cds, cr2 repeat  
gi|7839317|gb|AF136633.1|AF136632S2[7839317]

**34: AF136632** Links  
Homo sapiens chordin gene, partial cds, cr1 repeat  
gi|7839316|gb|AF136632.1|AF136632S1[7839316]

**35: AH009297** Links  
Homo sapiens chordin, chordin, chordin, and chordin genes, partial cds  
gi|7839315|gb|AH009297.1|SEG\_AF136632S[7839315]

**36: AF096276** Links  
Mus musculus chordin mRNA, complete cds  
gi|4406185|gb|AF096276.1|AF096276[4406185]

**37: AF031230** Links  
Gallus gallus chordin mRNA, complete cds  
gi|2826738|gb|AF031230.1|AF031230[2826738]

**38: AF022927** Links  
Xenopus laevis Zic-related-1 protein (zic-1) mRNA, complete cds  
gi|3064133|gb|AF022927.1|AF022927[3064133]

Display  Show:    Links

Items 21-38 of 38 Previous   of 2

[Disclaimer](#) | [Write to the Help Desk](#)  
[NCBI](#) | [NLM](#) | [NIH](#)